

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number
WO 2004/091383 A2

(51) International Patent Classification⁷: A61B
(21) International Application Number:
PCT/US2004/009704
(22) International Filing Date: 31 March 2004 (31.03.2004)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/458,960 1 April 2003 (01.04.2003) US

(71) Applicants and
(72) Inventors: SUKUMAR, Saraswati [US/US]; Johns
Hopkins Oncology Ctr., Bunting/Blaustein Bld., Room
410, 1650 Orleans Street, Baltimore, MD 21231-100
(US). MADDEN, Stephen [US/US]; 137 Nobscot Road,
Sudbury, MA 01776 (US).
(74) Agent: KAGAN, Sarah, A.; Banner & Witcoff, Ltd., 11th
floor, 1001 G Street, N.W., Washington, DC 20001-4597
(US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BREAST ENDOTHELIAL CELL EXPRESSION PATTERNS

(57) Abstract: To gain a better understanding of breast tumor angiogenesis, breast endothelial cells (ECs) were isolated and evaluated for gene expression patterns. When transcripts from breast ECs derived from normal and malignant breast tissues were compared, genes that were specifically elevated in tumor-associated breast endothelium were revealed. These results confirm that neoplastic and normal endothelium in human breast are distinct at the molecular level, and have significant implications for the development of anti-angiogenic therapies in the future.

WO 2004/091383 A2